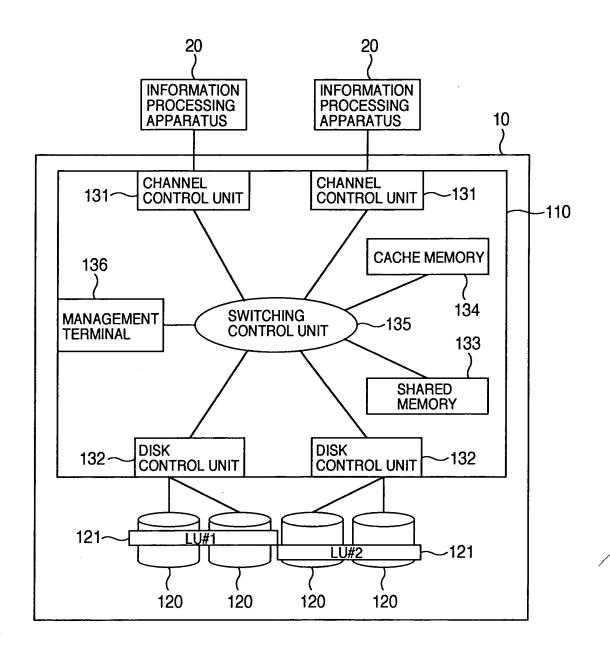
FIG.1



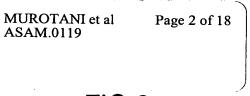


FIG.2

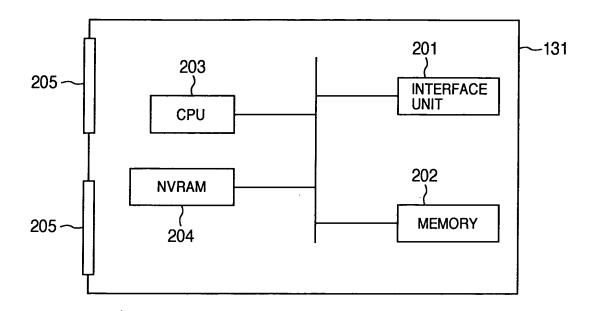


FIG.3

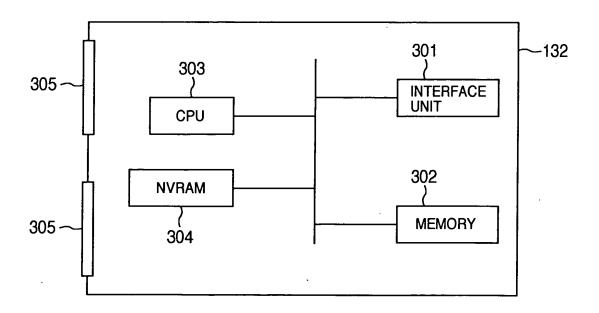


FIG.4

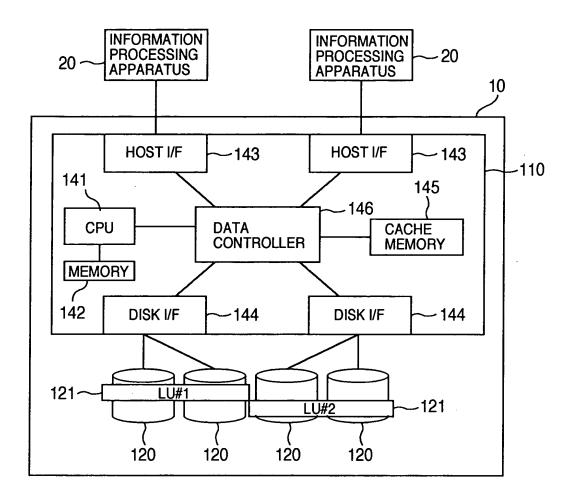


FIG.5

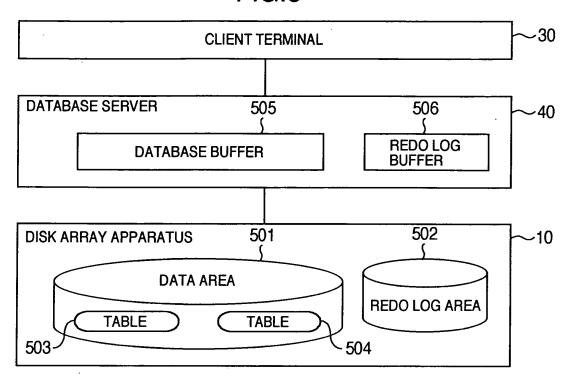
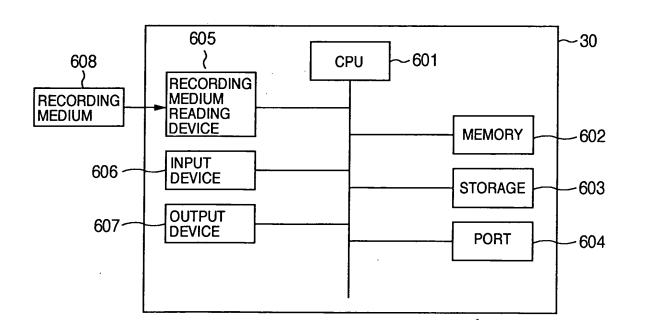


FIG.6



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FIG.7

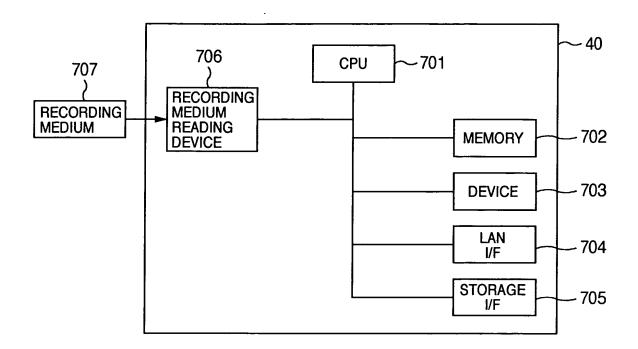


FIG.8

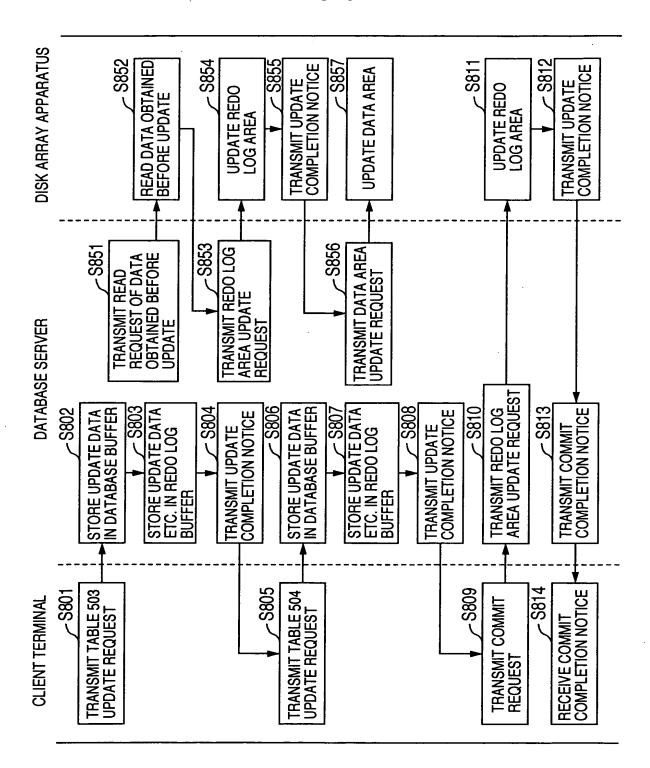


FIG.9

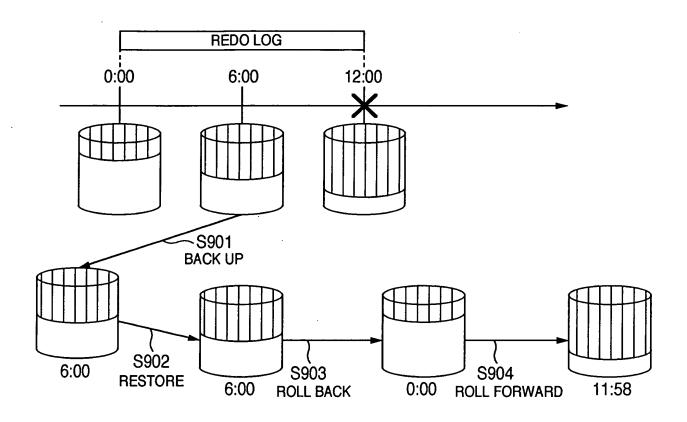


FIG.10

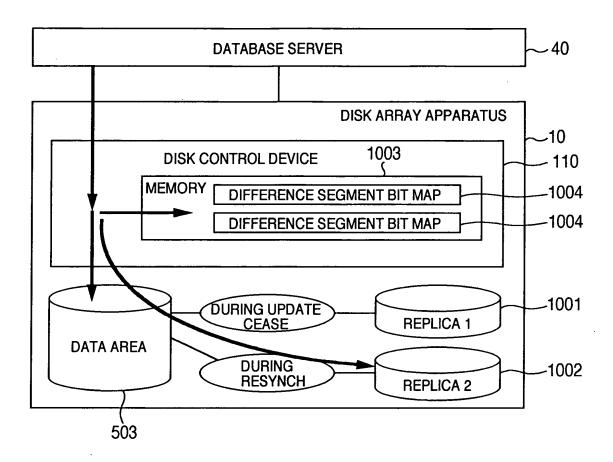
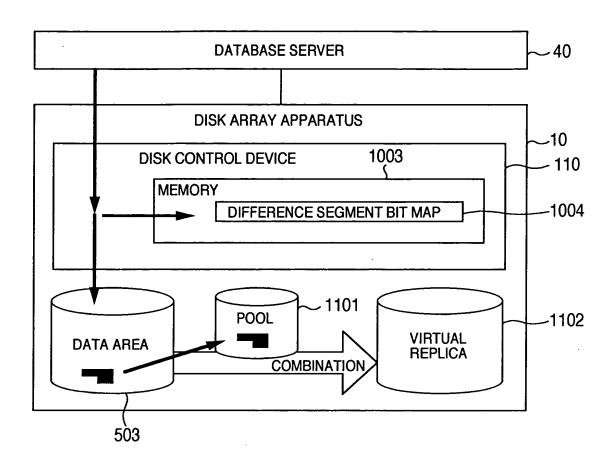
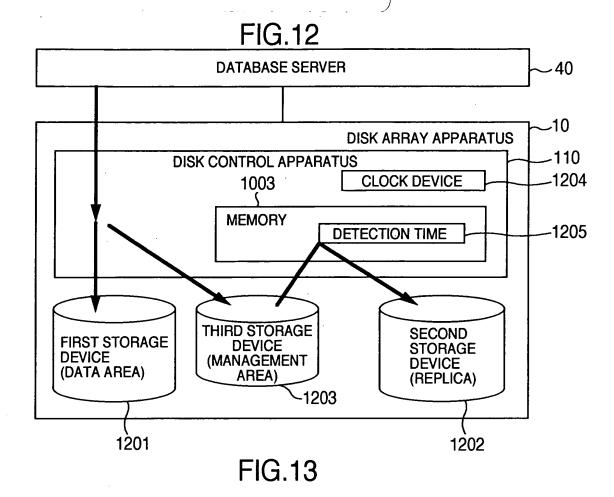
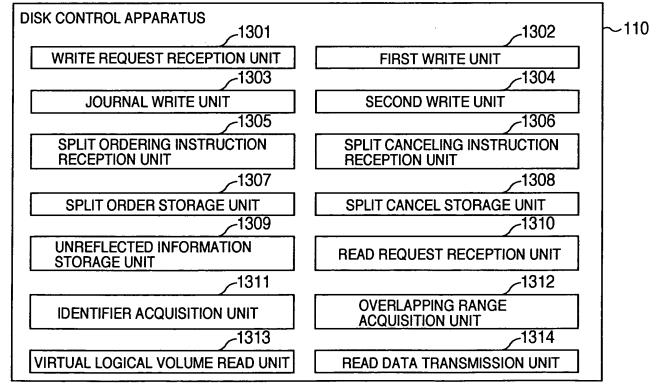
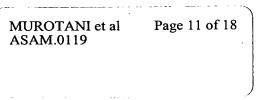


FIG.11

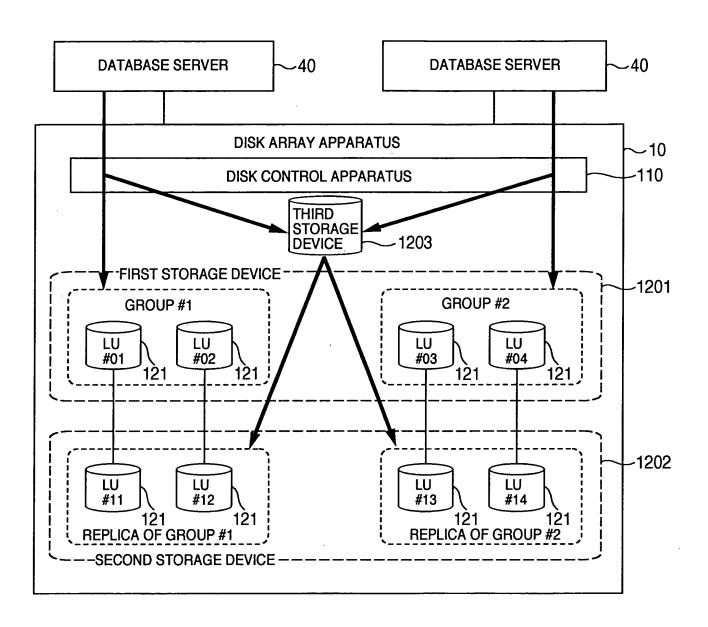








**FIG.14** 



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FIG.15

PRIMARY LOGICAL VOLUME	SECONDARY LOGICAL VOLUME
LU#01	LU#11
LU#02	LU#12
LU#03	LU#13
LU#04	LU#14
:	•
1501	

FIG.16

LOGICAL VOLUME	GROUP ID
LU#01	1
LU#02	1
LU#03	2
LU#04	2
	. •
1601	

FIG.17

JOURNAL SECTION	SECTION			1702		
GROUP ID	SEQUENCE ID	UPDAT	UPDATE TIME	UPDATE LOCATION INFORMATION	NFORMATION	UPDATE STREAM OFFSET
-	10011	030115	17:59:55	LU#1/START LBA10000/BLOCK LENGTH8	/BLOCK LENGTH8	2048
-	10012	030115	17:59:58	LU#2/START LBA30000/BLOCK LENGTH8	BLOCK LENGTH8	2056
2	00058	030115	17:59:59	LU#4/START LBA10000/BLOCK LENGTH8	BLOCK LENGTH8	2064
-	10013	030115	18:00:01	SPRIT ORDER/SPRIT CANCEL	RIT CANCEL	1
2	65000	030115	18:00:02	LU#3/START LBA10000/BLOCK LENGTH8	BLOCK LENGTH8	2072
-	10014	030115	18:00:03	LU#1/START LBA10000/BLOCK LENGTH8	BLOCK LENGTH8	2080
JPDATE S	UPDATE STREAM SECTION	_		1703 }		
0		9)	STORED UPDA	(STORED UPDATE BLOCKS: 1024 BLOCKS)	CKS)	1023
		<b>*</b>	STORED UPDA	(STORED UPDATE BLOCKS: 1024 BLOCKS)	CKS)	2047
UPDATE I ID#1 AND ID#10011	UPDATE DATA OF GROUP ID#1 AND SEQUENCE ID#10011		UPDATE DATA OF GROUP ID#1 AND SEQUENCE ID#10012	UP UPDATE DATA OF GROUP ID#2 AND SEQUENCE ID#00058	F GROUP	3071

**FIG.18** 

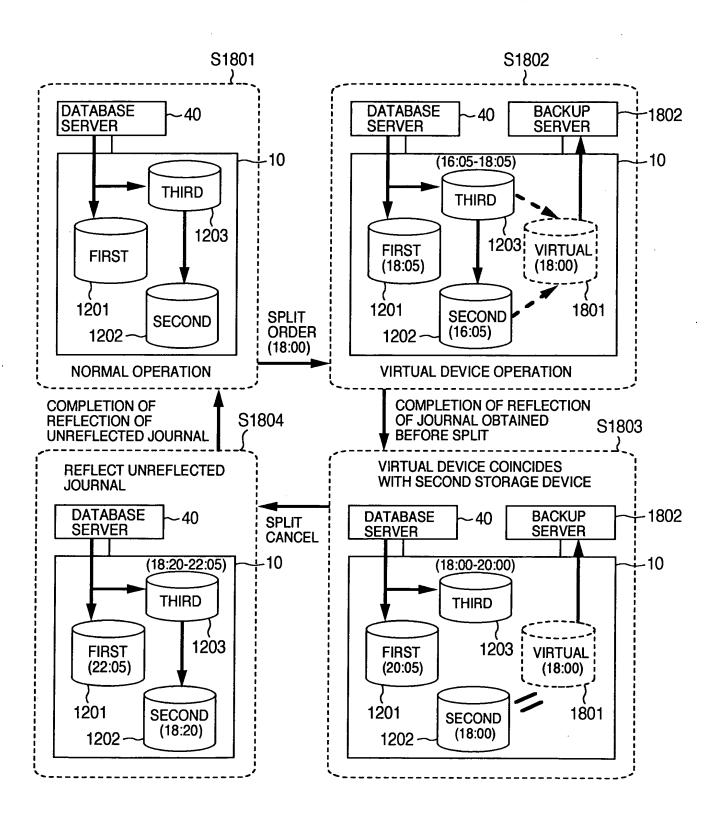
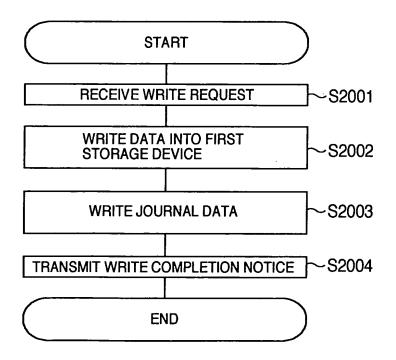


FIG.19

LOGICAL VOLUME	VIRTUAL LOGICAL VOLUME
LU#11	LU#21
LU#12	LU#22
LU#13	LU#23
LU#14	LU#24
:	•
1901	

**FIG.20** 





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FIG.21

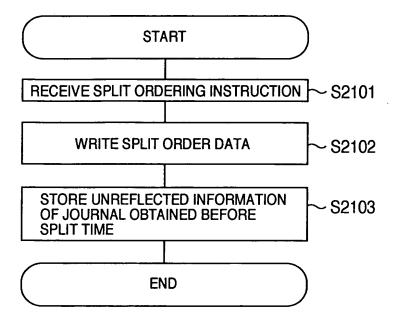
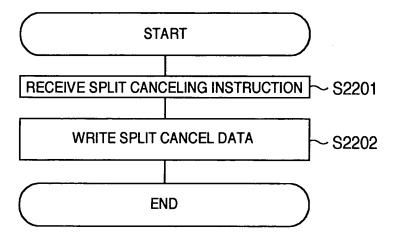


FIG.22



**FIG.23** 

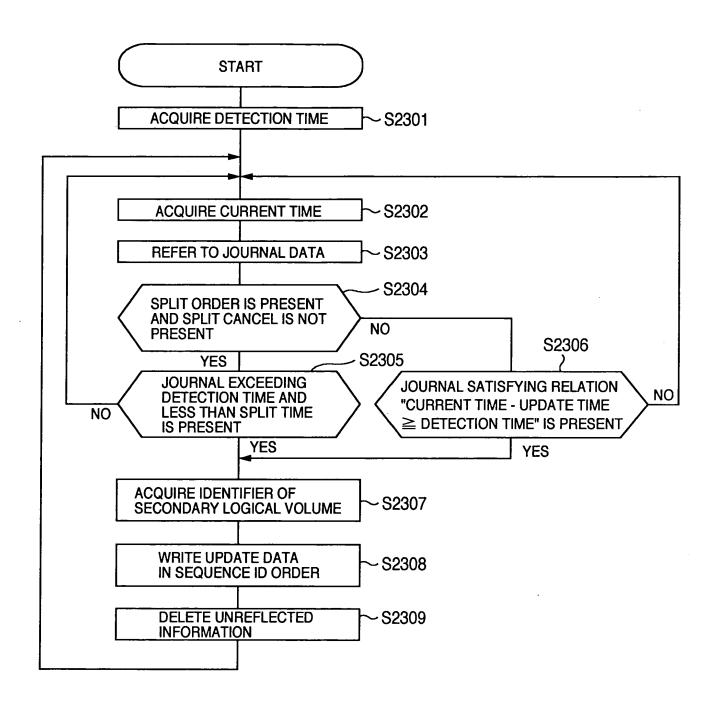


FIG.24

